

LPS-532-L/150-450mJ

SPECIFICATIONS

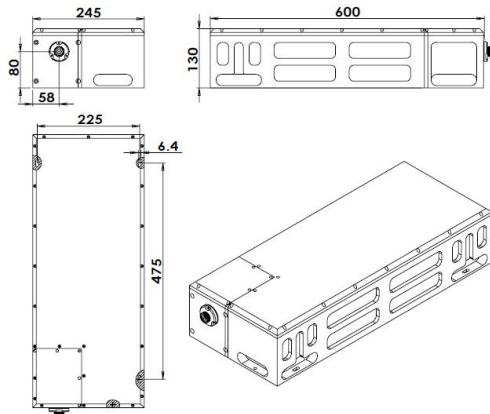
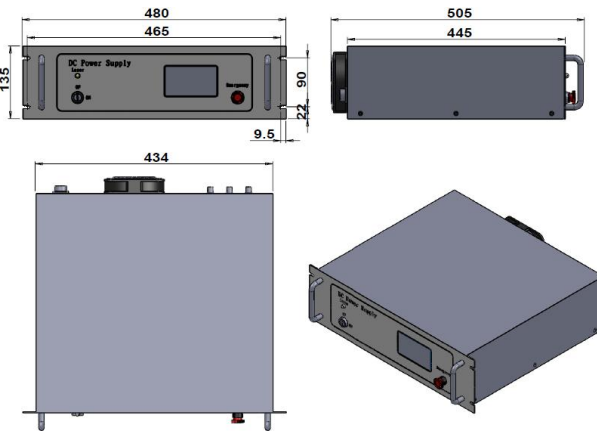
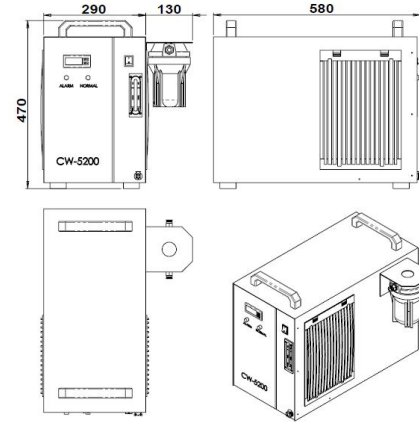
HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

High energy lamp pumped solid state Q-switched laser at 532nm has the features of high single pulse energy , short pulse duration , and high peak power , which is widely used in PIV, LIF, LIBS, ICP-MS, Raman, scientific research, and so on.



Wavelength (nm)	532±1		
Operating mode	Actively		
Single pulse energy (mJ)	150-250	250-350	350-450
Pulse duration (ns)	<10	<10	<8
Jitter (ns, sdev)	<1ns (Int.)		
Rep. rate ¹	1-10Hz (adjustable), single shot (optional)		
Energy stability (std dev/mean)	<3% , <2%, (<1% optional)		
Beam divergence, full angle (mrad)	~1	~1	~3
Beam diameter (mm)	7	8	9
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	80		
Cooled method	Water cooled		
Operating temperature (°C)	15-35		
Power supply (110/220VAC)	PSU-LPS-L(3U)		
Expected lifetime (pulses)	10 ⁷ -10 ⁸		
Available options ²	Repetition rate≤20Hz;Accessories;		



LASER HEAD	POWER SUPPLY ³	WATER CHILLER (WCH-1500)
 600(L) × 245(W) × 130(H) mm³, 25 kg	 480 (L) × 505(W) × 135(H) mm³, 16 kg	 580(L) × 290(W) × 470(H) mm³, 24 kg

1 Both internal trigger and external trigger are acceptable.

2 Accessories include lamp and attenuator.

3 Rep. Rate and Voltage can be adjusted by touch screen.

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